Wiki-Based Data and Information Integration (WikiDI2) System, Phase I
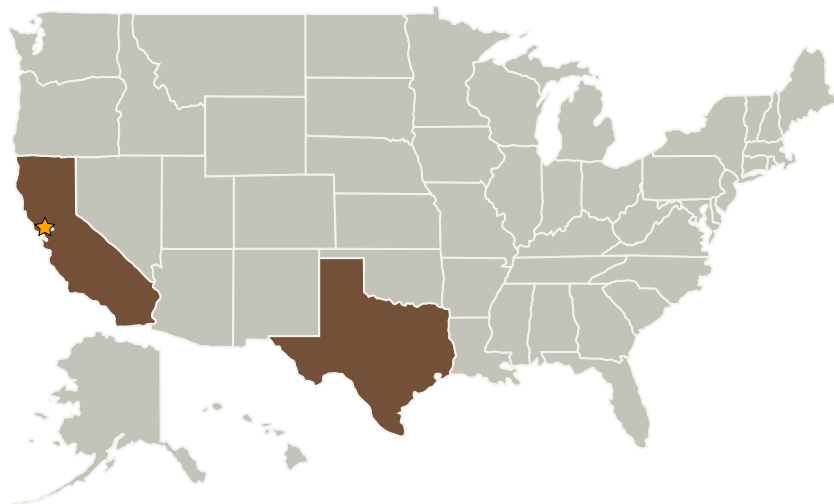
Completed Technology Project (2008 - 2008)

Project Introduction

The proposed innovation is: A data and information integration (DI2) system built from the methods and tools used to create Wiki websites. Wiki (Hawaiian for "quick") is software that allows users to create and edit Web page content using any Web browser. The significance of the innovation is that a Wiki-based DI2 system will: (1) Produce a collaborative, interactive website designed for the unique needs of government and commercial spacecraft projects for capturing, disseminating, managing and linking data resources across multiple projects and among distributed teams, (2) Provide "out of the box" advanced DI2 capabilities needed by project management and technical personnel from day one, (3) Provide a low cost DI2 solution for small companies and teams needing alternatives to expensive, complicated and inflexible project management tools, (4) Be easy to install, use and maintain without requiring programming or webmaster skills. The proposed innovation merges the Wiki philosophy of fast, easy and rewarding online content creation with standard project management functions and capabilities for data and information integration within secure, user-authenticated environments. This facilitates critical elements of communication, interaction and data capture/synthesis that are often missing or underdeveloped in many traditional project management efforts. Phase 1 TRL will be 6.

Primary U.S. Work Locations and Key Partners

Wiki-Based Data and Information Integration (WikiDI2) System, Phase I

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Organizational Responsibility

Responsible Mission Directorate:

Space Technology Mission Directorate (STMD)

Lead Center / Facility:

Ames Research Center (ARC)

Responsible Program:

Small Business Innovation Research/Small Business Tech Transfer

Organizations Performing Work	Role	Type	Location
⭐Ames Research Center(ARC)	Lead Organization	NASA Center	Moffett Field, California
Odyssey Space Research, LLC	Supporting Organization	Industry Women-Owned Small Business (WOSB)	Houston, Texas

Primary U.S. Work Locations	
California	Texas

Project Management

Program Director:

Jason L Kessler

Program Manager:

Carlos Torrez

Principal Investigator:

Ron Flanary

Technology Areas

Primary:

- TX11 Software, Modeling, Simulation, and Information Processing
  └ TX11.4 Information Processing
    └ TX11.4.1 Science, Engineering, and Mission Data Lifecycle